Name

Class

Systems of Inequalities

Date

**Solve each system of inequalities by graphing.**

**1. ** **2. ** **3. **

**4. ** **5. ** **6. **

**7.** A camp counselor needs no more than 30 campers to sign up for two mountain hikes. The counselor needs at least 10 campers on the low trail and at least 5 campers on the high trail. Write a system of inequalities to model the situation. Graph and solve the system.

**8.** A doctor needs at least 60 adults for a medical study. He cannot use more than 40 men in the study. Write a system of inequalities to model the situation and solve the system by graphing.

**Solve each system of inequalities by graphing.**

**9. ** **10. ** **11. **

**12. ** **13. ** **14. **